The Development of Liberal Arts and Sciences

□□ □□□

—— □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□ liberal arts □ sciences □□□□

□□□
personality□intelligence□education□profession□□ culture □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□

□□□□□□□□□□□□□□ Technological Singularity □□□

□□□□□□□□□□□□□□□□

□□□

□□□□□□□□□ 13 □□□□□ 14 □□□
□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□

□□□□□□□□□ 15□16 □□□well-controlled □□□□□
□□ Filippo Brunelleschi□□□□□□□□□□□□□□□□
□□□□□□□□

□□ [1]□□□□□
□□

□□□
□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□

17 □□□

□□□ personality □□□ [2]□

□□ peer review □□□

□□□ well-controlled □□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□

18 □□

□□□

□□ [3]□□□

□□□

□□

□□

□□□

□□□□□□□□□□□□□□

□□□□□□□□□□□□ 19 □□□ 19 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□

□□□

（三）

□□□ 1819 □□□□□□□ Ferdinand Karl Schweikart □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 1830 □□□□□□

□□□ □□□ □□□□□□□□□□ [4]□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ [5]□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□"□"□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□

□□□□□□□□□□□ 20 □□

□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 20 □□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□ [6]□

□□□ □□□

□□□ [7]□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□

□□

□□□□□□□□□□ personality □ intelligence □□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□ □□□□□□□□□□□□□□□□□□□

□ leukotomy□□□□□ Forrest Gump□□□ □□□□□□□□A City upon a Hill□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

20 □□□ □□□□□□

□□□□□□□

□□□□□ Karl Raimund Popper □□□Technological Singularity □□

□□□

□□□□□□□□□□□□□ AlphaGo Zero □ superhuman □□ AlphaGo Zero □ Nature paper □□ superhuman □□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□

1949 □ leukotomy □□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□Technological Singularity □ AlphaGo Zero □ superhuman □□□□□□□□□□□□□

□□□Turing Machine □□□□□□□□□□Universal approximation □ Turing Machine □□□□□□data processing □□

Turing Test □□□

□□

□□□

Leukotomy □□□□□□□□□□□□□□□□□□□□□□ [8] □

□□□ [9]□

□□□□□□ liberal arts □ sciences □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□

□□□

□□□□□□□□□□□□□□□□□□□ Technological Singularity □□

□□□□□□□□□ personality、intelligence、profession、□ culture □□□

□□

~~~~~~~~~~~

[1] □□□□□□□□ architect □□□□□□□□□□□□□□□□□□□□□□□□ architect □□□ profession □ methodology □□□□□□□□

[2] □□□AlphaGo □□

[3] □□□□□□□□□□□□□□□□□□□□□□ 20 □□□

[4] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ Ferdinand Karl Schweikart □□□□□□□□□□□□□□□□□□□□□□□□□□

[5] □□□

[6] □□

[7] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ Technological Singularity □□□□□□□AlphaGo Zero □ Nature □□□□□□□□ superhuman □ claim □□□□□□□□□□□□□□□□□

[8]ArXiv □□□

[9] Open Source □□□